



Atty. Dkt. No. 038602-1153

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Malcolm Wilson MOON et al.
Title: MANNICH BASE PRODRUGS OF 3-
(PYRROL-2-YL-METHYLIDENE)-2-
INDOLINONE DERIVATIVES
Appl. No.: 09/863,804
Filing Date: 05/24/2001
Examiner: Rebecca Anderson
Art Unit: 1626

AMENDMENT AND REPLY UNDER 37 CFR 1.116

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Commissioner for Patents
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Alexandria, Virginia 22313-1450

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Sir:

This communication is responsive to the Final Office Action dated May 29, 2003,
concerning the above-referenced patent application.

Amendments to the Claims are reflected in the listing of claims which begins on
page 2 of this document.

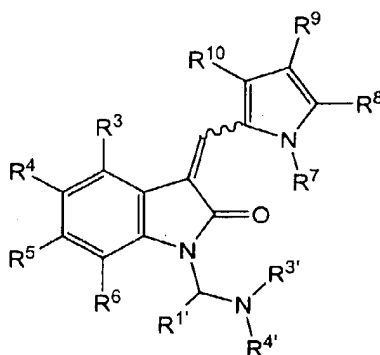
Remarks/Arguments begin on page 5 of this document.

Please amend the application as follows:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently amended) A compound of the Formula (I):



(I)

wherein:

R^3 , R^4 , R^5 and R^6 are independently selected from the group consisting of hydrogen, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroalicyclic, hydroxy, alkoxy, aryloxy, mercapto, alkylthio, arylthio, sulfinyl, sulfonyl, S-sulfonamido, N-sulfonamido, trihalomethane-sulfonamido, carbonyl, C-carboxy, O-carboxy, C-amido, N-amido, cyano, nitro, halo, O-carbamyl, N-carbamyl, O-thiocarbamyl, N-thiocarbamyl, amino and $-NR^{11}R^{12}$ where R^{11} and R^{12} are independently selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, carbonyl, acetyl, sulfonyl, and trifluoromethanesulfonyl, or R^{11} and R^{12} , together with the nitrogen atom to which they are attached, combine to form a five- or six-member heteroalicyclic ring provided that at least two of R^3 , R^4 , R^5 and R^6 are hydrogen; or

R^3 and R^4 , R^4 and R^5 , or R^5 and R^6 may combine to form a six-membered aryl ring, a methylenedioxy group or an ethylenedioxy group;

R^7 is selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroalicyclic, hydroxy, alkoxy, aryloxy, carbonyl, acetyl, C-amido, C-thioamido, amidino, C-carboxy, O-carboxy, sulfonyl and trihalomethane-sulfonyl;

R^8 , R^9 and R^{10} are independently selected from the group consisting of hydrogen, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroalicyclic, hydroxy,

alkoxy, aryloxy, mercapto, alkylthio, arylthio, sulfinyl, sulfonyl, S-sulfonamido, N-sulfonamido, carbonyl, C-carboxy, O-carboxy, cyano, nitro, halo, O-carbamyl, N-carbamyl, O-thiocarbamyl, N-thiocarbamyl, C-amido, N-amido, amino and $-NR^{11}R^{12}$, wherein R^{11} and R^{12} are as defined above;

$R^{1'}$ is hydrogen or alkyl; and

$R^{3'}$ and $R^{4'}$ form an unsubstituted heterocyclic ring provided that the heterocyclic ring is not piperidin-1-yl or morpholin-4-yl pyrrolidin-1-yl ring; or
a pharmaceutically acceptable salt thereof.

Claims 2 – 5 (Cancelled).

Claim 6. (Original) The compound of any one of Claims 2, 3, 4, or 5 wherein $R^{1'}$ and R^7 are hydrogen.

Claim 7. (Currently amended) The compound of Claim 1, wherein R^3 , R^4 , R^5 , R^6 , R^7 , and R^9 are hydrogen, and R^8 and R^{10} are unsubstituted lower alkyl; and $R^{3'}$ and $R^{4'}$ combine to form a heterocyclic ring.

Claim 8. (Original) The compound of Claim 7, wherein R^8 and R^{10} are methyl and $R^{1'}$ is hydrogen.

Claim 9 (Cancelled).

Claim 10. (Original) The compound of Claim 1, wherein R^3 , R^4 , R^5 , R^6 , and R^7 are hydrogen and R^8 and R^{10} are unsubstituted lower alkyl.

Claim 11. (Original) The compound of Claim 10, wherein R^9 is C-amido or lower alkyl substituted with carboxy and $R^{1'}$ and R^7 are hydrogen.

Claim 12. (Currently amended) The compound of Claim 11, wherein R^8 and R^{10} are methyl and $R^{3'}$ and $R^{4'}$ combine to form a heterocyclic ring.

Claim 13. (Cancelled).

Claims 14 – 19 (Cancelled).

Claim 20. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier or excipient and a compound of Claim 1.

Claim 21 (cancelled).

Claim 22. (Original) The pharmaceutical composition of Claim 20, wherein said composition is administered parenterally.

Claims 23-36 (cancelled).